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## EUROPEAN!PATENT!APPLICATION

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01302586.1 / 11381349

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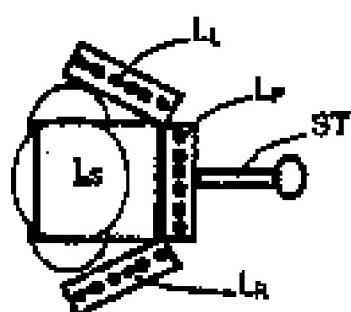
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### (54) Therapeutic light source and method

(57) A therapeutic light source comprises rigid arrays of LED's ( $L_F$ ,  $L_L$ ,  $L_R$ ) movably connected together, and cooled by forced air convection. The output intensity of the arrays is at least 10mW/cm<sup>2</sup> with a spatial intensity fluctuation of 10% or less in the treatment field. The emission spectral of the LED's may be substantially limited to the range 400 to 430 nm, or 590 to 640 nm. The light source may be used for cosmetic treatment, such as skin rejuvenation, wrinkle removal and/or biostimulation.

Fig. 20a





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## PARTIAL!EUROPEAN!SEARCH!REPORT

Application Number

which under Rule 45 of the European Patent Convention E P!04 01 1578 shall be considered for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to Claim	CLASSIFICATION OF THE APPLICATION (InLCL.T)
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Y	* page 8, line 26 page! 9,iine 7! *  * page! 10,! line 8! - line 24! * * page 11, line 12! - line 25! * * page! 16,! line 28! - page! 17,! line 3! * * page! 18, line 4! - page! 19, line! 32; claims! 1-3;! figures! 5,10-12,14! *	1-4,8,9, 14-19	
Y	WO! 93/09847! A! (LARSEN! ERIK) 27 May! 1993! (1993-05-27) * page 4, line 16! - page! 5,! line 15! * * page! 6, line 27! - page 7, line! 7;! claims 1-5,8; figures! 1,2! *	1-4, 14-19	TECHNICAL FIELDS ( C1.7)  A61N
		-/-	
INCOMPLETE!SEARCH			
The Search Division considers that the present application, or one or more of its claims, does not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or cannot be carried out partially, for these claims.			
Claims searched completely:			
Claims searched incompletely:			
Claims not searched:			
Reason for the limitation of the search:			
see! sheet! C			
Place of search	Date of repletion clew search	Ernanfine	
Munich	30! September! 2004	Rick, K	
CATEGORY OF CITED DOCUMENTS		T: theory or principle underlying the invention E: earlier patent document, but published later than the filing date D: document cited in the application L: document cited for other reasons R: member of the same patent family, corresponding document	
X: part of any relevant it taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document			



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INCOMPLETE! SEARCH  
SHEET! C

Application Number  
EP 04 01 1578

Claims)! searched! completely:  
1-19

Claim(s)! not! searched:  
20-23

Reason! for! the! limitation! of! the! search (non-patentable invention(s)):

Article! 52! (4)! EPC! -! Method! for! treatment! of! the! human! or! animal! body by  
therapy



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## PARTIAL! EUROPEAN! SEARCH! REPORT

**Application Number**

EP! 04! 01! 1578

	DOCUMENTS! CONSIDERED! TO! BE! RELEVANT	CLASSIFICATION! OF THE APPLICATION!(in LCL7)
Category	Citation! of document with indication, where appropriate, of relevant passages	Relevant to claim
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**CLAIMS!INCURRING!FEES**

The present European patent application comprised at the time of filing more than ten claims.

Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

**LACK!OF!UNITY!OF!INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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LACK! OF! UNITY! OF! INVENTION  
SHEET! B

Application Number  
EP! 04! 01! 1578

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-4! and! 7-19! (if! dependent! on! claim! 1)

All light! source! for! therapy! comprising! a! first!,! second! and  
third! rigid array of! light! emitting diodes! movably! connected  
to the! first! array.

2. claims: 5 ,6! and! 7-19! (if! dependent! on! claim! 5)

All therapeutic! light! source! comprising! an! array! of! light  
emitting! diodes! with! an output intensity! of! at! least! 10  
mW/cm<sup>2</sup>! and a spatial intensity fluctuation! of 10% or less.! .

**ANNEX TO THE EUROPEAN SEARCH REPORT**  
**ON EUROPEAN PATENT APPLICATION NO.**

EP 04 01 1578

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EPO file. On the European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-09-2004

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